

WHAT IS CLAIMED IS:

1. An elastomeric composition comprising a natural rubber, a halobutyl elastomer, a mineral filler, and a rubber-mineral filler bonding agent.

5

2. A composition according to Claim 1 wherein the halobutyl elastomer is a bromobutyl elastomer and the mineral filler is silica.

3. A composition according to Claim 1 wherein the bonding 10 agent is a silane.

4. A composition according to Claim 1 wherein the composition is cured with sulfur.

15 5. A composition according to Claim 1 wherein the halobutyl elastomer constitutes from 5 to 50% of the elastomeric content of the composition.

20 6. A composition according to Claim 5 wherein the halobutyl elastomer constitutes from 5 to 30% of the elastomeric content of the composition.

25 7. A process for preparing an elastomeric comprising blending a natural rubber, a halobutyl elastomer, a mineral filler and a rubber-mineral filler bonding agent.

8. A process according to Claim 7 wherein the natural rubber, the halobutyl elastomer, the mineral filler and the bonding agent are added separately.

9. A process according to Claim 7 wherein the mineral filler is silica and the bonding agent is a silane that has at least one hydroxyl group or hydrolyzable group attached to a silicon atom of the silane.

5 10. A process according to Claim 9 wherein the silane is aminopropyltriethoxsilane, bis[3-(triethoxysilyl)propyl]- tetrasulfane, bis[3-(triethoxysilyl)propyl]disulfane or mercaptopropyl trimethoxysilane, or a mixture thereof.

10 11. A cured, filled elastomeric composition according to Claim 1 in the form of a tire tread for a vehicle.

12. A cured, filled elastomeric composition according to Claim 1 in the form of a tire tread for a truck.

15 13. A cured, filled elastomeric composition according to Claim 1 in the form of an engine mount, a shoe sole or a diaphragm for a pump.